

**Abstract of the Disclosure**

A method and apparatus for data retrieval in an analysis system is disclosed. A request for data specified by at least one parameter is received. It is then determined if the requested data has been previously requested within a predetermined period of time. The requested data is retrieved from a database if the requested data was not previously requested within the predetermined period of time. The requested data is stored in n-dimensional parameter space, wherein the at least one parameter points to the address where the requested data is stored. Requests for the requested data received within said predetermined period of time are mapped to the address in n-dimensional space.